

## Abstract

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A method for providing user interfaces in a first network including first devices interconnected via a communication medium and at least one interface device connecting said first network to at least a second network having interconnected second devices providing services, the user interfaces for controlling the devices that are currently connected to the first network and communication with devices that are currently connected to the second network. The method includes the steps of: (a) obtaining information from one or more of first devices currently connected to the first network, said information including device information; (b) obtaining information from one or more of the second devices via the interface device, about the services of second devices connected to the second network; (c) generating a user interface description in one or more of said first devices based at least on the obtained information, the user interface description in each first device including: (1) at least one reference associated with the device information of each of said first devices, and (2) at least one reference associated with the service information of each of said second devices. Further, a user interface is displayed based on each user interface description on a device connected to the first network capable of displaying a user interface, for user control of said first devices and communication with said second devices. Displaying each user interface is based on using each reference in the corresponding user interface description to access the associated information in each device; generating the user interface including device and service corresponding to each device using the accessed information in each device; and displaying the user interface on said device capable of displaying a user interface.